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## RAW SEQUENCE LISTING

DATE: 02/25/2002

PATENT APPLICATION: US/10/066,474

TIME: 10:33:18

Input Set : A:\GZ210320SEQLIST.txt

Output Set: N:\CRF3\02252002\J066474.raw

4 <110> APPLICANT: Nicolette, Charles A.  
 6 <120> TITLE OF INVENTION: MART-1 COMPOUNDS FOR THERAPY AND  
 7     DIAGNOSIS AND METHODS FOR USING SAME  
 10 <130> FILE REFERENCE: GZ 2103.20  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/066,474  
 C--> 13 <141> CURRENT FILING DATE: 2002-01-31  
 15 <150> PRIOR APPLICATION NUMBER: US 09/922,405  
 16 <151> PRIOR FILING DATE: 2001-03-01  
 18 <150> PRIOR APPLICATION NUMBER: US 60/223,641  
 19 <151> PRIOR FILING DATE: 2000-08-04  
 21 <150> PRIOR APPLICATION NUMBER: US 60/255,502  
 22 <151> PRIOR FILING DATE: 2000-12-13  
 24 <150> PRIOR APPLICATION NUMBER: US 60/264,432  
 25 <151> PRIOR FILING DATE: 2001-01-25  
 27 <150> PRIOR APPLICATION NUMBER: US 60/279,005  
 28 <151> PRIOR FILING DATE: 2001-03-26  
 30 <160> NUMBER OF SEQ ID NOS: 26  
 32 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 34 <210> SEQ ID NO: 1  
 35 <211> LENGTH: 1524  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Homo sapien  
 39 <400> SEQUENCE: 1  
 40 agcagacaga ggactctcat taaggaagggt gtcctgtgcc ctgaccctac aagatgccaa 60  
 41 gagaagatgc tcacttcac tcattgtacc ccaagaagg gacaggccac tcttacacca 120  
 42 cggctgaaga ggccgctggg atcggcatcc tgacagtgat cctgggagtc ttactgctca 180  
 43 tcggctgttg gtattgtaga agacgaaatg gatacagagc cttgatggat aaaagtcttc 240  
 44 atgttggcac tcaatgtgcc ttaacaagaa gatgccaca agaagggttt gatcatcggg 300  
 45 acagcaaagt gtctcttcaa gagaaaaact gtgaacctgt ggttcccaat gctccacctg 360  
 46 cttatgagaa actctctgca gaacagtcac caccacctta ttcaccttaa gagccagcga 420  
 47 gacacctgag acatgctgaa attatttctc tcacactttt gcttgaattt aatacagaca 480  
 48 tctaattgtc tccttttgaa tgggtgtagga aaaatgcaag ccatctctaa taataagtca 540  
 49 gtgttaaaat tttagtaggt ccgctagcag tactaatcat gtgaggaaat gatgagaaat 600  
 50 attaaattgg gaaaactcca tcaataaatg ttgcaatgca tgatactatc tgtgccagag 660  
 51 gtaatgttag taaatccatg gtgttatatt ctgagagaca gaattcaagt gggatttctg 720  
 52 gggccatcca atttctcttt acttgaaatt tggctaataa caaactagtc aggttttcga 780  
 53 accttgaccg acatgaactg tacacagaat tgttccagta ctatggagtg ctcacaaagg 840  
 54 atacttttac aggttaagac aaagggttga ctggcctatt tatctgatca agaactgtc 900  
 55 agcaatgtct ctttgtgctc taaaattcta ttatactaca ataataatatt gtaaaagatcc 960  
 56 tatagctctt tttttttgag atggagtttc gcttttgttg cccaggctgg agtgcaatgg 1020  
 57 cgcgatcttg gctcaccata acctccgcct cccagggttc agcaattctc ctgccttagc 1080  
 58 ctcttgagta gctgggatta caggcgtgag ccactatgcc tgactaattt tgtagtttta 1140  
 59 gtagagacgg ggtttctcca tgttggtcag gctgggtctc aactcctgac ctcagggtgat 1200

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60 ctgccccgcct cagcctccca aagtgcctgga attacaggcg tgagccacca cgcctggctg 1260
61 gatcctatat cttaggtaag acatataacg cagtctaatt acatttcact tcaagggtca 1320
62 atgctattct aactaatgac aagtattttc tactaaacca gaaattggta gaaggattta 1380
63 aataagtaaa agctactatg tactgcctta gtgctgatgc ctgtgtactg ccttaaatgt 1440
64 acctatggca atttagctct cttgggttcc caaatccctc tcacaagaat gtgcagaaga 1500
65 aatcataaag gatcagagat tctg 1524

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67 &lt;210&gt; SEQ ID NO: 2

68 &lt;211&gt; LENGTH: 118

69 &lt;212&gt; TYPE: PRT

70 &lt;213&gt; ORGANISM: Homo sapien

72 &lt;400&gt; SEQUENCE: 2

73 Met Pro Arg Glu Asp Ala His Phe Ile Tyr Gly Tyr Pro Lys Lys Gly

74 1 5 10 15

75 His Gly His Ser Tyr Thr Thr Ala Glu Glu Ala Ala Gly Ile Gly Ile

76 20 25 30

77 Leu Thr Val Ile Leu Gly Val Leu Leu Leu Ile Gly Cys Trp Tyr Cys

78 35 40 45

79 Arg Arg Arg Asn Gly Tyr Arg Ala Leu Met Asp Lys Ser Leu His Val

80 50 55 60

81 Gly Thr Gln Cys Ala Leu Thr Arg Arg Cys Pro Gln Glu Gly Phe Asp

82 65 70 75 80

83 His Arg Asp Ser Lys Val Ser Leu Gln Glu Lys Asn Cys Glu Pro Val

84 85 90 95

85 Val Pro Asn Ala Pro Pro Ala Tyr Glu Lys Leu Ser Ala Glu Gln Ser

86 100 105 110

87 Pro Pro Pro Tyr Ser Pro

88 115

91 &lt;210&gt; SEQ ID NO: 3

92 &lt;211&gt; LENGTH: 9

93 &lt;212&gt; TYPE: PRT

94 &lt;213&gt; ORGANISM: Artificial Sequence

96 &lt;220&gt; FEATURE:

97 &lt;223&gt; OTHER INFORMATION: MART-1

99 &lt;400&gt; SEQUENCE: 3

100 Leu Ser Gly Ile Gly Ile Leu Thr Val

101 1 5

104 &lt;210&gt; SEQ ID NO: 4

105 &lt;211&gt; LENGTH: 27

106 &lt;212&gt; TYPE: DNA

107 &lt;213&gt; ORGANISM: Artificial Sequence

109 &lt;220&gt; FEATURE:

110 &lt;223&gt; OTHER INFORMATION: MART-1

112 &lt;221&gt; NAME/KEY: misc\_feature

113 &lt;222&gt; LOCATION: 3, 6, 9, 15, 21, 24, 27

114 &lt;223&gt; OTHER INFORMATION: n = A,T,C or G

116 &lt;400&gt; SEQUENCE: 4

W--&gt; 117 ytnwsnggna thggnathyt nacngtn

27

119 &lt;210&gt; SEQ ID NO: 5

120 &lt;211&gt; LENGTH: 9

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Input Set : A:\GZ210320SEQLIST.txt

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121 <212> TYPE: PRT  
 122 <213> ORGANISM: Artificial Sequence  
 124 <220> FEATURE:  
 125 <223> OTHER INFORMATION: MART-1  
 127 <400> SEQUENCE: 5  
 128 Leu Thr Gly Ile Gly Ile Leu Thr Val  
 129 1 5  
 132 <210> SEQ ID NO: 6  
 133 <211> LENGTH: 27  
 134 <212> TYPE: DNA  
 135 <213> ORGANISM: Artificial Sequence  
 137 <220> FEATURE:  
 138 <223> OTHER INFORMATION: MART-1  
 140 <221> NAME/KEY: misc\_feature  
 141 <222> LOCATION: 3, 6, 9, 15, 21, 24, 27  
 142 <223> OTHER INFORMATION: n = A,T,C or G  
 144 <400> SEQUENCE: 6

W--&gt; 145 ytnacnggna thggnathyt nacngtn

27

147 <210> SEQ ID NO: 7  
 148 <211> LENGTH: 9  
 149 <212> TYPE: PRT  
 150 <213> ORGANISM: Artificial Sequence  
 152 <220> FEATURE:  
 153 <223> OTHER INFORMATION: MART-1  
 155 <400> SEQUENCE: 7  
 156 Val Thr Gly Ile Gly Ile Leu Thr Val  
 157 1 5  
 160 <210> SEQ ID NO: 8  
 161 <211> LENGTH: 27  
 162 <212> TYPE: DNA  
 163 <213> ORGANISM: Artificial Sequence  
 165 <220> FEATURE:  
 166 <223> OTHER INFORMATION: MART-1  
 168 <221> NAME/KEY: misc\_feature  
 169 <222> LOCATION: 3, 6, 9, 15, 21, 24, 27  
 170 <223> OTHER INFORMATION: n = A,T,C or G  
 172 <400> SEQUENCE: 8

W--&gt; 173 gtnacnggna thggnathyt nacngtn

27

175 <210> SEQ ID NO: 9  
 176 <211> LENGTH: 9  
 177 <212> TYPE: PRT  
 178 <213> ORGANISM: Artificial Sequence  
 180 <220> FEATURE:  
 181 <223> OTHER INFORMATION: MART-1  
 183 <400> SEQUENCE: 9  
 184 Phe Ala Gly Ile Gly Ile Leu Thr Val  
 185 1 5  
 188 <210> SEQ ID NO: 10  
 189 <211> LENGTH: 27

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Input Set : A:\GZ210320SEQLIST.txt

Output Set: N:\CRF3\02252002\J066474.raw

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190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: MART-1
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: 6, 9, 15, 21, 24, 27
198 <223> OTHER INFORMATION: n = A,T,C or G
200 <400> SEQUENCE: 10
W--> 201 ttgcnnggna thggnathyt nacngtn 27
203 <210> SEQ ID NO: 11
204 <211> LENGTH: 9
205 <212> TYPE: PRT
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: MART-1
211 <400> SEQUENCE: 11
212 Thr Ala Gly Ile Gly Ile Leu Thr Val
213 1 5
216 <210> SEQ ID NO: 12
217 <211> LENGTH: 27
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: MART-1
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: 3, 6, 9, 15, 21, 24, 27
226 <223> OTHER INFORMATION: n = A,T,C or G
228 <400> SEQUENCE: 12
W--> 229 acngcnnggna thggnathyt nacngtn 27
231 <210> SEQ ID NO: 13
232 <211> LENGTH: 9
233 <212> TYPE: PRT
234 <213> ORGANISM: Homo sapien
236 <400> SEQUENCE: 13
237 Gly Val Gly Ile Gly Ile Leu Thr Val
238 1 5
241 <210> SEQ ID NO: 14
242 <211> LENGTH: 27
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: MART-1
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: 3, 6, 9, 15, 21, 24, 27
251 <223> OTHER INFORMATION: n = A,T,C or G
253 <400> SEQUENCE: 14
W--> 254 ggngunggna thggnathyt ncangtn 27
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 9

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/066,474

TIME: 10:33:18

Input Set : A:\GZ210320SEQLST.txt

Output Set: N:\CRF3\02252002\J066474.raw

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258 <212> TYPE: PRT
259 <213> ORGANISM: Homo sapien
261 <400> SEQUENCE: 15
262 Phe Leu Phe His Thr Glu Tyr Val Val
263 1 5
266 <210> SEQ ID NO: 16
267 <211> LENGTH: 27
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: MART-1
274 <221> NAME/KEY: misc_feature
275 <222> LOCATION: 6, 15, 24, 27
276 <223> OTHER INFORMATION: n = A,T,C or G
278 <400> SEQUENCE: 16
W--> 279 ttttnttttc ayacngarta ygtngtn 27
281 <210> SEQ ID NO: 17
282 <211> LENGTH: 9
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapien
286 <400> SEQUENCE: 17
287 Phe Leu Phe His Thr Ala Tyr Ile Val
288 1 5
291 <210> SEQ ID NO: 18
292 <211> LENGTH: 27
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: MART-1
299 <221> NAME/KEY: misc_feature
300 <222> LOCATION: 6, 15, 18, 27
301 <223> OTHER INFORMATION: n = A,T,C or G
303 <400> SEQUENCE: 18
W--> 304 ttttnttttc ayacngcnta yathgtn 27
306 <210> SEQ ID NO: 19
307 <211> LENGTH: 9
308 <212> TYPE: PRT
309 <213> ORGANISM: Homo sapien
311 <400> SEQUENCE: 19
312 Phe Leu Tyr His Thr Pro Met Val Val
313 1 5
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 27
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: MART-1
324 <221> NAME/KEY: misc_feature
325 <222> LOCATION: 6, 15, 18, 24, 27

```

## VERIFICATION SUMMARY

DATE: 02/25/2002

PATENT APPLICATION: US/10/066,474

TIME: 10:33:19

Input Set : A:\GZ210320SEQLIST.txt

Output Set: N:\CRF3\02252002\J066474.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26